

NPIC/R-1523/63

October 1963

PHOTOGRAPHIC INTERPRETATION REPORT

SUPPLEMENT TO IPIRS ON BRASS KNOB MISSIONS 3743 & 3745

ASSESSMENT OF HURRICANE FLORA DAMAGE IN SELECTED AREAS OF CUBA



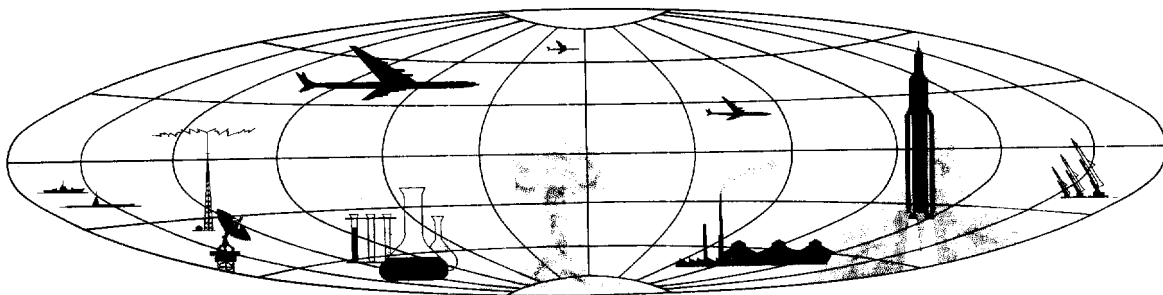
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NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER

IMMEDIATE PHOTOGRAPHIC INTERPRETATION REPORT

PREFACE

THIS REPORT HAS BEEN PREPARED IN RESPONSE TO REQUIREMENTS FROM CIA/ORR AND DIA FOR INFORMATION ON THE EFFECTS OF HURRICANE FLORA ON SELECTED TARGETS IN ORIENTE AND CAMAGUEY PROVINCES, CUBA. THIS INFORMATION HAS BEEN OBTAINED FROM AERIAL PHOTOGRAPHY FROM BRASS KNOB MISSIONS 3743 AND 3745, DATED 10 OCTOBER 1963. NAMES GIVEN FOR SUGAR MILLS IN THIS REPORT ARE THE LATEST AVAILABLE, WITH FORMER NAMES INCLUDED IN PARENTHESES.

SYMBOLS USED TO INDICATE CONDITIONS WHICH AFFECT THE APPEARANCE OF THE TARGET ON THE PHOTOGRAPHY ARE AS FOLLOWS -- C (CLEAR), SC (SCATTERED CLOUDS), HC (HEAVY CLOUDS), H (HAZE), CS (CLOUD SHADOW), SD (SEMI-DARKNESS), O (OBLIQUITY), AND PQ (POOR IMAGE QUALITY).

SUMMARY

THE EXTENT OR SEVERITY OF DAMAGE TO SUGAR CANE CANNOT BE ACCURATELY DETERMINED FROM THIS HIGH-ALTITUDE PHOTOGRAPHY OF [REDACTED] HOWEVER, CROP AREAS IN THE RIO CAUTO BASIN, GUANTANAMO CITY, AND THE NORTHERN COASTAL AREAS OF ORIENTE AND CAMAGUEY PROVINCES REMAIN INUNDATED.

25X1

HURRICANE FLORA HAS CAUSED CONSIDERABLE FLOODING IN THE PLAINS AREAS NORTH OF THE SIERRA MAESTRA RANGE AND ALONG THE NORTHERN COASTAL AREAS OF CAMAGUEY AND ORIENTE PROVINCES. ROADS, RAILROADS, AND BRIDGES IN AREAS SOUTH OF GIBARA HAVE SUFFERED CONSIDERABLE DAMAGE (SEE ATTACHMENT 1). EXTENSIVE HIGHWAY WASHOUT WAS OBSERVED BETWEEN UTM COORDINATES 18Q UT 457725 AND 18Q UT 527828 (AMS SERIES E723, SHEET 4977IV, 1ST ED). A HOUND HELICOPTER WAS OBSERVED IN FLIGHT OVER A FLOODED SECTION OF THE HIGHWAY AT 18Q UT 515817 (SEE ATTACHMENT 2).

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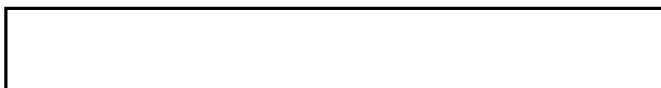
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POWER TRANSMISSION LINES AND SUBSTATIONS,
ORIENTE PROVINCE

THE TRANSMISSION LINES AND SUBSTATIONS BETWEEN SANTIAGO DE CUBA, LA MAYA, GUANTANAMO, AND BOQUERON APPEAR INTACT. THE AREA BETWEEN CONTRAMAESTRE AND SANTIAGO DE CUBA WAS PARTIALLY OBSCURED BY CLOUDS, HOWEVER, FROM PALMA SORIANO TO SANTIAGO DE CUBA THE LINES APPEARED INTACT.

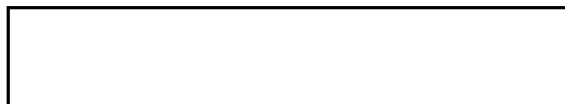
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POWER TRANSMISSION LINE FROM HECTOR PAZON THERMAL POWER
PLANT TO HERMANOS DIAZ PETROLEUM REFINERY
(TEXACO)

THE HECTOR PAZON POWER PLANT IS IN OPERATION. PYLONS ON THE SW BANK (POWER PLANT SIDE), ON THE ISLAND, AND AT THE REFINERY ARE STANDING. THE REFINERY IS IN OPERATION. EXHAUST STEAM IS RISING FROM STEAM LINES NEAR THE POWER PLANT IN THE REFINERY.

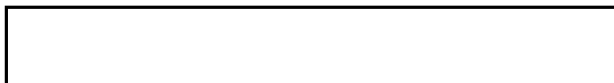
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ROADS AND RAILS BETWEEN FLORIDA AND SANTIAGO
DE CUBA

THE ROADS AND RAILROADS OBSERVED IN THIS AREA APPEARED IN GENERAL TO BE OPERATIONAL EXCEPT FOR THE FOLLOWING --
RAILROAD TRACKS RUNNING FROM 5 NM NW TO 4 NM SE OF THE CITY OF RIO CAUTO ARE INUNDATED. THE RAILROAD BRIDGE IN RIO CAUTO AT 20-33N 076-55W HAS BEEN WASHED OUT.
THE SE APPROACH OF THE RAILROAD BRIDGE AT 20-55N 077-18W OVER RIO JOBABO IS PARTIALLY WASHED AWAY.

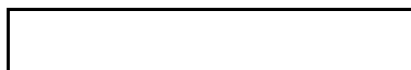
25X1



BRASIL (JARONU) SUGAR MILL, JARONU 2149N 07757W

WEST SIDE OF THE TOWN OF JARONU.
NO DAMAGE OBSERVED.

25X1



2
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CIRO REDONDO (MORON) SUGAR MILL, PINA 2201N 07842W

2 NM SSE OF MORON AT THE TOWN OF PINA.
NO DAMAGE OBSERVED.

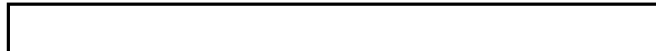
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GUATEMALA (PRESTON) SUGAR MILL, PRESTON 2045N 07539W

NO DAMAGE OBSERVED.

25X1



VENEZUELA (STEWART) SUGAR MILL, STEWART 2144N 07848W

CENTER OF STEWART.
NO DAMAGE OBSERVED.

25X1



AUTONIO GUITERAS (DELICIAS) SUGAR MILL 2110N 07633W

NO DAMAGE OBSERVED AT THE SUGAR MILL, HOWEVER,
SEVERE DAMAGE WAS OBSERVED AT THE HIGHWAY BRIDGE
OVER THE RIO SAUTA MARIA .2 NM SOUTH OF THE MILL AT
UTM 18Q UU379412. (AMS E723, SHEETS 4879-I AND
4879-II, 1ST ED).
(SEE ATTACHMENT 3).

25X1



ARGELIA LIBRE (MANATI) SUGAR MILL, MANATI 2118N 07656W

NO DAMAGE OBSERVED.

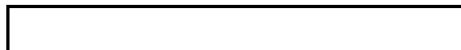
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BOLIVIA (CUNAGUA) SUGAR MILL, CUNAGUA 2205N 07820W

SW EDGE OF CUNAGUA.
NO DAMAGE OBSERVED.

25X1



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HECTOR PAZON THERMAL POWER PLANT, SANTIAGO 2001N 07551W
DE CUBA

NO DAMAGE OBSERVED.
SMOKE IS RISING FROM AT LEAST ONE OF THE SMOKE STACKS
AT THE PLANT.

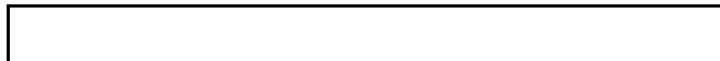
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PUNTA RENTE POWER PLANT U/C, 1959N 07552W
SANTIAGO DE CUBA

NO DAMAGE OBSERVED.

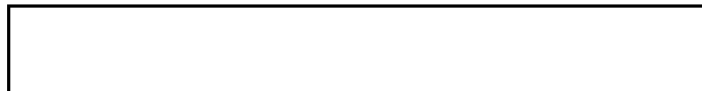
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HERMANOS DIAZ PETROLEUM REFINERY (TEXACO), 2000N 07552W
SANTIAGO DE CUBA

NO DAMAGE VISIBLE IN CLOUD-FREE AREAS. STEAM OR
SMOKE IS RISING FROM 2 PLACES NEAR THE FRACTIONATING
TOWERS.

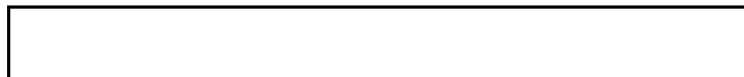
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JOSE MERCERON CEMENT PLANT, SANTIAGO DE CUBA 1960N 07551W

NO DAMAGE OBSERVED.

25X1



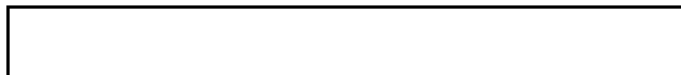
BALL BEARING FACTORY U/C, SANTIAGO DE CUBA

TARGET COULD NOT BE IDENTIFIED.

FRANK PAIS FLOUR MILL, SANTIAGO DE CUBA 2001N 07550W

NO DAMAGE OBSERVED.

25X1



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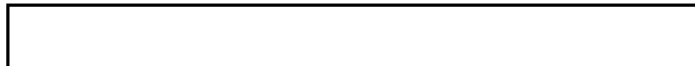
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JOSUE PAIS NUT, SCREW, AND WASHER PLANT, 2002N 07551W
SANTIAGO DE CUBA

NO DAMAGE OBSERVED.

25X1



WOOD SCREW FACTORY, SANTIAGO DE CUBA

TARGET COULD NOT BE IDENTIFIED.

MAX DRUE LEYYA TABLEWARE FACTORY,
SANTIAGO DE CUBA

TARGET COULD NOT BE IDENTIFIED.

FILE FACTORY, GUANTANAMO 2009N 07510W

NO DAMAGE OBSERVED.

25X1



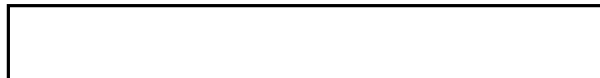
PICK AND SHOVEL FACTORY, GUANTANAMO

TARGET COULD NOT BE IDENTIFIED.

WELDING ELECTRODE FACTORY & GONZALO ESTEBAN 2132N 07717W
LUGO BARBED WIRE FACTORY, NUEVITAS

NO DAMAGE OBSERVED AT EITHER OF THESE 2 ADJOINING
FACILITIES.

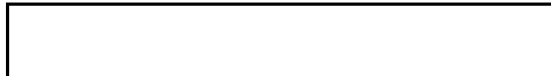
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CAMAGUEY RAILROAD YARD REPAIR SHOP

TARGET CLOUD-COVERED.

25X1



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COTTON SEED PLANT, CAMAGUEY

TARGET COULD NOT BE IDENTIFIED.

CACAO PROCESSING PLANT, BARACOA

TARGET COULD NOT BE IDENTIFIED.

INEJIRO ASANUMA SPINNING MILL, GIBARA 2106N 07608W

NO DAMAGE OBSERVED.
(SEE ATTACHMENT 4).

25X1



RENE RAMOS LATOUR NICKEL PLANT, NICARO 2041N 07532W

NO DAMAGE OBSERVED. THE REDUCTION FURNACES ARE
EMITTING BLACK SMOKE.

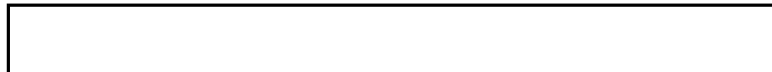
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PEDRO SOTO ALBA NICKEL PLANT, MOA BAY 2037N 07456W

NO DAMAGE OBSERVED.

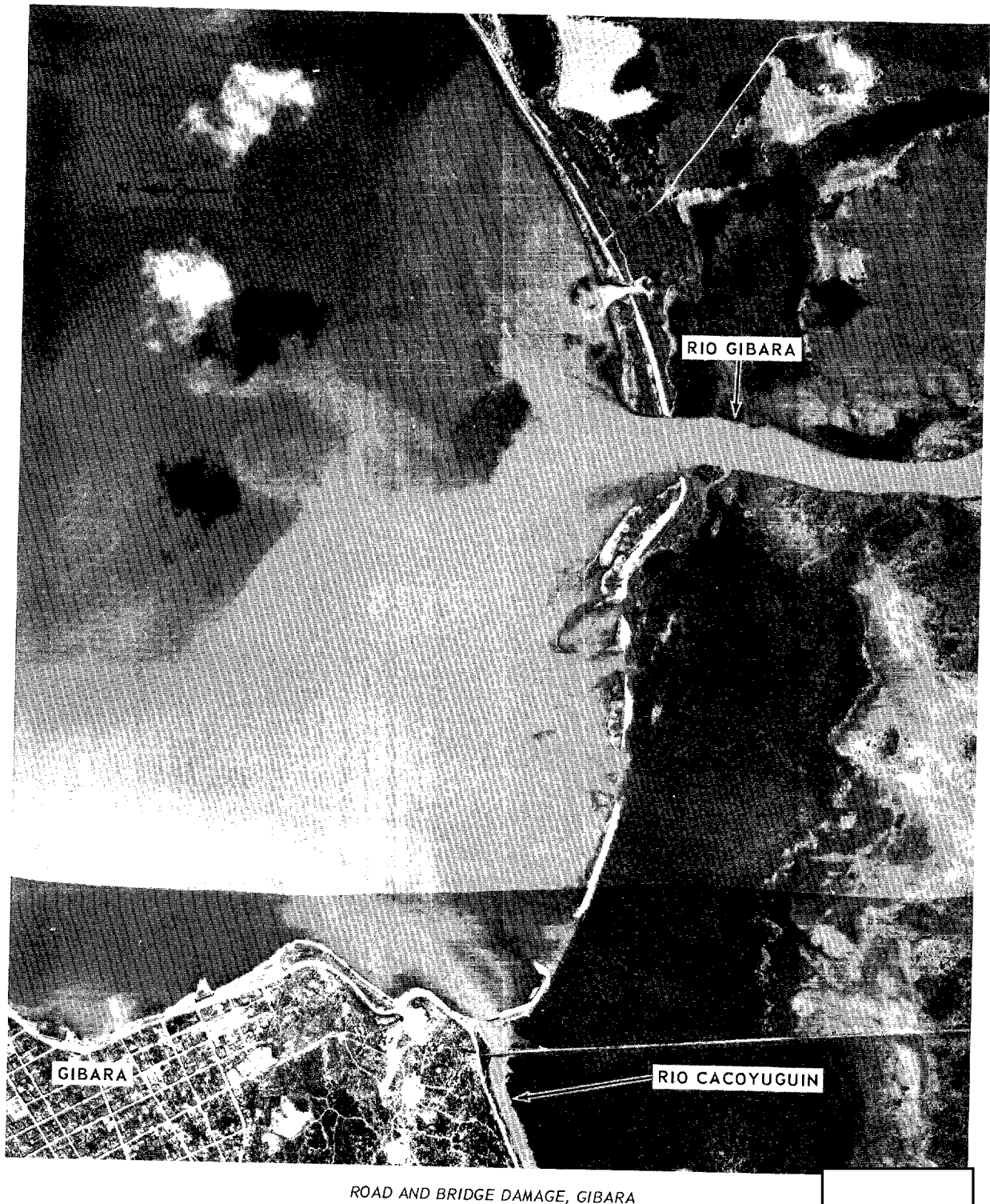
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ATTACHMENT 1



ROAD AND BRIDGE DAMAGE, GIBARA

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ATTACHMENT 2

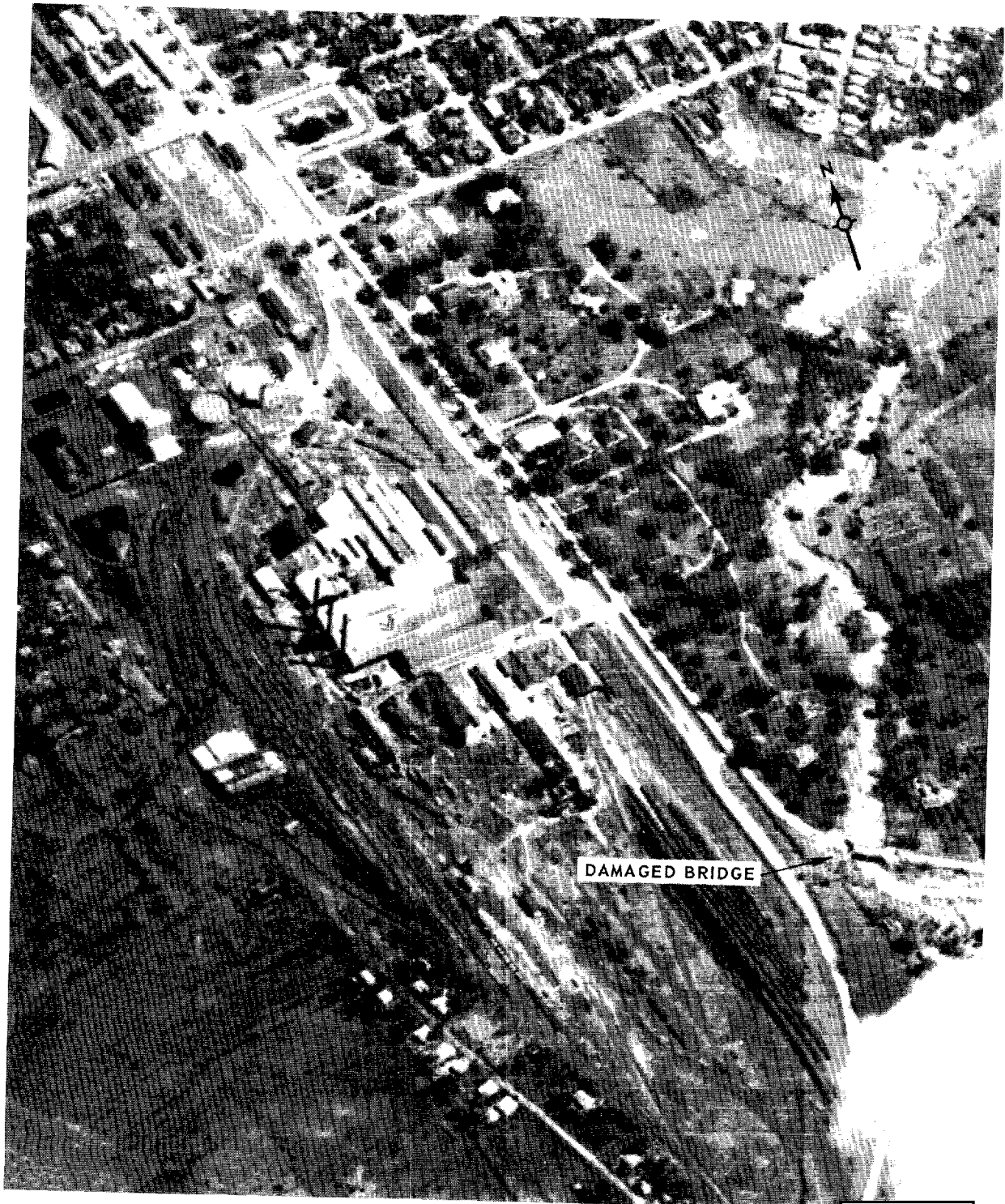


ROAD DAMAGE APPROXIMATELY 17 NM SSW OF HOLGUIN

25X1

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ATTACHMENT 3



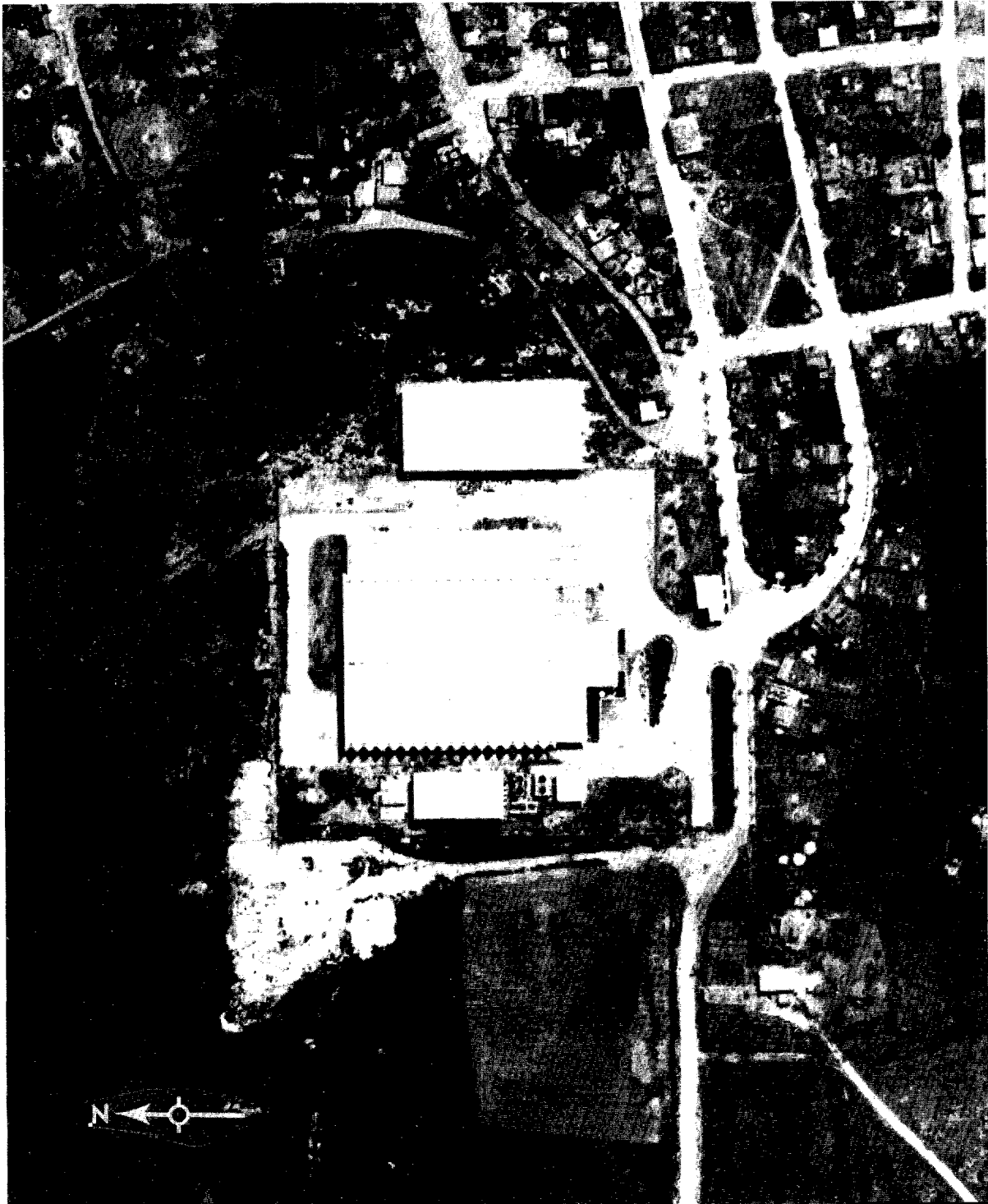
ANTONIO GUITERAS (DELICIAS) SUGAR MILL

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ATTACHMENT 4



INEJIRO ASANUMA SPINNING MILL

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